Switching power supply

TL-PT201
TL-PT202

TL-PT201

TL-PT202

Features

*AC input range is only 180-264VAC.

*Can withstand 300VAC surge for 5 seconds.

*Semi-glue and splash-proof design.

*Protection type: short circuit/overload/overvoltage/over temperature.

*Natural air cooling.

*LED power indicator.

*Low cost and high reliability.

*100% full load aging test.

Model		TL-PT201	TL-PT202
Output	DC voltage	12V	24V
	Rated current	26.7A	14.6A
	Current range	0 ~ 26.7A	0 ~ 14.6A
	rated power	320.4W	350.4W
	Ripple and noise (maximum)	150mVp-p	150mVp-p
	Voltage adjustment range	10.8-13.2V	21.6-26.4V
	Voltage accuracy	±1.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%
	Load Regulation	±0.5%	±0.5%
	Start, rise time (Typ.)	1500ms, 200ms/230VAC 20ms/230VAC	1500ms, 200ms/230VAC 20ms/230VAC
Input	voltage range	180~264VAC 254 ~ 370VDC	
	Frequency Range	47 ~ 63Hz	
	Efficiency (Typ.)	87%	89%
	AC current (Typ.)	4A//230VAC	
	Inrush current (Typ.)	90A//230VAC	
Protection	Leakage current	<1mA / 240VAC	
	Overload	110%~140% of rated output power 130%~180% of rated output power Protection mode: hiccup mode, automatic recovery after the abnormal load condition is removed	110%~140% of rated output power 130%~180% of rated output power
	Overvoltage	13.8-16.2V Protection mode: hiccup mode, automatic recovery after the abnormal load condition is removed	27.6-32.4V
Environment	Over temperature	Turn off the output voltage, it can automatically recover after the temperature drops	
	Operating temperature	-30 ~ +60°C (Please refer to "Derating Curve")	
	Working humidity	20 ~ 90% RH, non-condensing	
	Storage temperature and humidity	-30 ~ +85°C, 10 ~ 95% RH	
	Temperature Coefficient	±0.05%/°C (0 ~ 50°C)	
Safety regulations and electromagnetic compatibility	Vibration resistant	10 ~ 500Hz,3G 10 minutes/cycle, X, Y, Z axis each 60 minutes	
	safety regulations	UL60950-1	
	Withstand voltage	EAC TP TC 004 certified	
	Insulation resistance	I/P-O/P: 3KVAC I/P-FG: 2KVAC O/P-FG: 0.5KVAC	
	EMC emission	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC / 25°C/ 70% RH	
	EMC immunity	Design reference EN55022 (CISPR22) class A, EAC TP TC 020	
Product size （L×W×H)		220.4×130×48MM	
Packing size （L×W×H)			
Gross weight			
Net weight			
Certificates		CE/ROHS	